CIM31 — PROGRAMMING IN C

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1.   What is C language?

2.   Define Identifiers.

3.   Comment on Switch Statement.

4.   Define Conditional Operator.

5.   What are the types of Array?

6.   Define Pointers.

7.   Expand ANSI.

8.   What is Recursion?

9.   What is File?

10. Define Structure Variables.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Give a short note on storage class in C.

Or

(b) Draw a flowchart to find whether the number is even or odd.

12. (a) Narrate the do-while Statement.

Or

(b) What do you mean by C keywords, identifier and literals? Explain with example.

13. (a) Define array. Explain the basic concept of array.

Or

(b) Write a program to print number from 1 to 10 using array and fins sum of them.

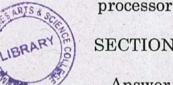14. (a) Give short note on recursion of functions.

Or

(b) What are the basic forms of C functions? Explain.

15. (a) What are macros? Explain with example.

Or

(b) Define C processor and write features of C processors.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain all types of operator available in C with example.

17. Write a program to print series of number divisible by 3 from 1 to 100 using for loop.

18. Differentiate between Pointers and Arrays.

19. How 1-D and 2-13 array elements are stored in memory/ Explain with example.

20. How to initialize and access member of structure? Explain with example.

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